

Figure 1A

1	CGGACCGCGTGGGGCGCGCAGCCCTGGCTGACCTGATCCTGGACTAGTGCCTCCGACCGCGGGG	60
61	CGCCGGTGGCCGAGATGCTGGCCCGAGCCGAGCGGCTGCTCTTCACTCTGSAACGGCGCGG	120
1	M L A P P R L L F I L D G A D	16
121	ACGAGCTGCCCGCGCTGGGGGGGCGCCGAGGCGCGCGCCCTGACAGACCCCTTCGAGCGCG	180
17	E L P A L G G P E A A P C T D P F E A A	36
181	CGAGCGGCGCGCGCTGCTAGGCGGGCTGCTGAGTAAGCGCTGCTGGCCACGGGCCCTCC	240
37	S G A E V L G S L L S K A L L P T A L L	56
241	TGCTGGTGACCAAGCGCGCGCGCCCGCCCGGAGGCTGCAAGGCGCGCTGGTTCCCGG	300
57	L V T T R A A A P S R L Q G R L C S P Q	76
361	ATGCGCGGAGGTGGCGGGCTTCCTCGACAAGACAAAGAAAGATATTTCTACAAAGTTCT	360
77	C A E V R G F S D K D K K K Y F Y K F F	96
361	TCGGGATGAGAGGAGGGCCGAGCGCGCTACCGCTTCTGAAGGAGAAACGAGACGCTGT	420
97	R D E R R A E R A Y R F V K E N E T L E	116
421	TGCGCTGTGCTTCCTGGCCCTTCCTGTGCTGGATCCTGTGCAACCTGCTGGCCAGCAGC	480
117	A L C F M E E V C W V T V L R Q Q L	136
481	TGGAGCTCGGTGCGGACCTGTGGCGCAGGTCCAGACCACCAAGTCAGTGTAAGCTGCTTT	540
137	E L G F D L S F T S H T T T S V Y L L E	156
541	TCATCACCAGCGTTCTGAGCTCGGCTCGGTAGCCGACCGGCGCCCGGTTGCAGGGCGACC	600
157	I T S V L S S A P V A D G P R L Q G D L	176
601	TGCGCAATCTGTGGCGCCTGGCCCGCGAGGGGCTCCTCGGAGCGCAGGGCGCAGTTTGCCG	660
177	R N L C R L A F E G V L G R R A Q F A E	196
661	AGAAGGAAGTGCAGCAACTGGAGCTTGGTGGCTCCAAAGTGCAGACGCTGTTTCTCAGCA	720
197	K E L E Q L E L R G D K V Q T L F L S K	216
721	AAAAAGAGTGLCGGCGCTGCTGGAGACAGAGTCACTACCAAGTTCAATCCACCAGAGCT	780
217	K E L P G V L E T E V T Y Q F I D Q S F	236
781	TCCAGGAGTTCTCGCGGCACTGTCTACCTGCTGGAGGACGGCGGGGTGCCACGACCG	840
237	Q E F L A A L S Y L L E I G G V P P T A	256
841	CGATGGGAGTGGGAACTGCTGCTGGAGGAGGCGAGCCCAAGTCAATGCTGT	900
257	A G G V G T L L F G D A Q F H S H L V L	276

Figure 1B

901	TCACCACGCGCTTCTCTTTCCGGAAGTGTGAGCGCGGAGCGGATGCGCGACATCGAGCGGC	960
977	T T R F L F G L L S A E P M E D I E F H	296
961	ACTTCGGGCTGCATGCTTTCCAGAGCGTGTGAAGCAGGAGGCCCTGCGGTGGGTGCAGGGAC	1020
997	F G C M V S E R V K Q E A L E W V Q G Q	316
1021	AGGGACAGGGCTGCCCCGAGTGGCACCAGAGGTGACCCAGGGGGGCCAAAGGCTCCAGG	1080
117	G Q Q Q P G V A P D V T E G A K G L E D	336
1081	ACACCGAAGAGCCACAGGAGGAGGAGGAGGGAGAGGAGGCCAACTACCCACTGGAGITGC	1140
137	T E E P E E E E E G E E P N Y P L E L L	356
1141	TGTACTGCTGTGTAACAGAGCGAGGAGGACGGCTTGTGTGGCCAAAGCCCTGTGCGGCTCC	1200
137	Y Q L Y E T Q E D A F V E Q A L C R F P	376
1201	CGGAGCTGGCGCTGTAGCGAGTGGCGCTTCTGCGCATGGAGCTGCGCTGTTCTGAGCTACT	1260
137	E L A L Q R V R F C R M D V A V L S Y Q	396
1261	GGGTGAGGTGCTGCGCTGTGGAGAGGCACTGCGGCTGATCAGCTGCAGATTGGTTGCTG	1320
137	V R C C P A G Q A L R L I S C R L V A A	416
1321	CGCAGGAGAGAGAGAGAGAGAGCGCTGGGGAGAGGGCTCCAGGCCAGGCTGGGTGGCGGCA	1380
147	Q E K K K K S L G F R L Q A L L G G S S	436
1381	GTTCTCAAGSCACACAAAACAATGGCCAGGCTCCCTTCTTCATCCACTCTTTCCAGGCA	1440
147	S Q G T T K Q L P A S L L H P L F Q A M	456
1441	TGACTGACCCACTGTGGCATCTGAGCAGGCTCACGCTGTCCCACTGC/AACTCCCTGACG	1500
147	T D P L L H L S S L T L S H C K L P D A	476
1501	CGGTCTGCGGAGACCTTTCTGAGGCCCTGAGGGCAGCCGCCGCACTGACGGAGCTGGGGC	1560
177	V C R D L S E A L R A A P A L T E L G L	496
1561	TCCTCCACACAGGCTCAGTGAGGCGGCACTGCGTATGCTGAGTGAGGGCTAGCCTGGC	1620
197	L H N R L S E A G L R M L S E G L A W P	516
1621	CGCAGTGACGGGTGCAGACGGTCCAGGTACAGCTGCCTGACCCCCAGCCAGGCTCCAGT	1680
197	Q C R V Q T V R V Q L P D P Q R G L Q Y	536
1681	ACCTGGTGGGTATGCTTCGGCAGAGCCCGGCCCTGACCACCCTGGATCTCAGCGGCTGCC	1740
197	L V G M L R Q S P A L T T L P L S G C Q	556
1741	AAATTCTTCCTCCATGCTTACCTACTGCTGTGAGTCTGTA/AA/AAAGATATGGGCC	1800
197	L I A I M V T T L C A V L Q H Q G C G L	576

[illegible]

Figure 2A

	1	50
HLERS11	(1)	-----
caspase_recruitment_protein	(1)	MAGGAWGRLLACTLEFFKFEELPQQLTANKAHSRSSSSGETPACPEHTSS
crvopyrin	(1)	-MASTRCKLARYLEDEEDVDLHFFIMHEDYPPQKGCIPLEPGCTSPASH
Nucleotide_Binding_Site	(1)	----MGFNQALLESQSQDELSEFRYITTFSPAHELQKIEKKEVDLADG
	51	100
HLERS11	(1)	-----
caspase_recruitment_protein	(51)	MEVASTVAQYGEORAWDLAHTWEQGLRSLCACAQEGAGHSFSPFYSP
crvopyrin	(50)	VDLATLMIDENGEKAWAMAVWISAAINERDLYEKARDEPPWGSQNAEN
Nucleotide_Binding_Site	(47)	KQIVEITTHCDSYWEMASQVEERKERMOLSERAYDEVFEAALKSFNE
	101	150
HLERS11	(1)	-----
caspase_recruitment_protein	(101)	SEPHLGSPSOFTSTAVLMPWIHELPAGCTQGSERRVLEQLDTSGERWEE
crvopyrin	(100)	SN-----
Nucleotide_Binding_Site	(97)	RK-----
	151	200
HLERS11	(1)	-----
caspase_recruitment_protein	(151)	LSASHLYQALPSSPDHESPSQESFNAPTSTAVLGSWGSPPQPSLAPFQOE
crvopyrin	(102)	PTVICQEDS-----
Nucleotide_Binding_Site	(99)	PLSLGQITR-----
	201	250
HLERS11	(1)	-----
caspase_recruitment_protein	(201)	APGTQWELLETSGIYYETIPERERESEKGRPPWAAVVGTHPQHSSLP
crvopyrin	(111)	TEHEWMLLEYSRISICKMKYRYKPKRYVRSFQCIIEINARLGESV
Nucleotide_Binding_Site	(107)	ERRPPLDVENMEEFFEAQDEINRCRYILKTKFEMAKSWSGDSFEVQV
	251	300
HLERS11	(1)	-----
caspase_recruitment_protein	(251)	HHHPWEPVVRSLGCTWFWNEQFNQFTQOLLLOQRPSPSCDPLVFRSW
crvopyrin	(111)	RLNKRYTLRLALFEHESQQERDELLAIGETFTCESV-----
Nucleotide_Binding_Site	(157)	MAERYMLIPSNPR-----
	301	350
HLERS11	(1)	-----
caspase_recruitment_protein	(301)	PDYVEENAGHLTEIROLFGPGDTQEEPIVILQGAAGIGHSTEARQVKEA
crvopyrin	(199)	-----SPIKMELLFDDDEHSEPVHTVFGAAGIGHIILAREMMLD
Nucleotide_Binding_Site	(172)	-----VPGPFSTVWVYFEGLGHTTLACGLLD
	351	400
HLERS11	(1)	-----
caspase_recruitment_protein	(351)	WGRGQVYCPFHVFNFSQRELAQSKVVSLAEITGKGTATPAPFQITLS
crvopyrin	(241)	WASGTACCFPSGLFNHFEVSLVTQRSYGDQMSCCDENPSEHKIVE
Nucleotide_Binding_Site	(202)	WAEDNLIHKSPAAVLSQPELSRLGPCSELEAVFRWRELQDDFEELA
	401	450
HLERS11	(1)	-----
caspase_recruitment_protein	(401)	QKRLFFLLGAEFPALGGEEAAPCTEPFDEASGARVGGGSSAALP
crvopyrin	(241)	RERLAFHFGVPEPQVWVCESSSELCHMSQPCADALGSLGHTILE
Nucleotide_Binding_Site	(291)	FPRIELMLGFEELQCFDEHSGPCTDQQAERGGIASSIIFKLLP
	(251)	QARKILEVIGGFEELGAPGAIEDICGWEERKVFVVLGSSGNFVMGP
	451	500
HLERS11	(451)	TALLVCTPAAAPGRVGRVCSQCAEYRGFSDKKKKKEKFEFEERE
caspase_recruitment_protein	(451)	EASFIIARTTQONLPSQAQWVEGLGFSRSSRSEFRRSTEEPCA
crvopyrin	(241)	EASLLITTFVVEKCHLDHFRHVEILGFSEAKRRETFKRTSEACQ
Nucleotide_Binding_Site	(301)	EAALVTFPFEARDRIAEETIYIRECELEDEKRAELRHSGEDCA
	501	550
HLERS11	(1)	-----
caspase_recruitment_protein	(501)	ERAYFVRENETLEALCEVFFCWENQIVRQQLLGRISRTSTFTTSV
crvopyrin	(241)	IRAFRLVSNKELWALCLFWSSILACTGLMCKKRFKNTLISHTTTTL
Nucleotide_Binding_Site	(241)	HAAFSLQENEVLETMCHIFLQWIVCTGLQQMESCKSLACTSTTTAV
	(241)	MRAFEIMRSNAALFLASAPACWIVCTTLLQLMEKGEFVFPFCITFGGL
	551	600
HLERS11	(1)	-----
caspase_recruitment_protein	(551)	YLITSVLSSAEVADGNPLGHLRLNLCPLAFEGVLGRRAEAKKELEQL
crvopyrin	(241)	LYHLAQALCAE-----LGPQLRLCLSLAAEGIWQKTLFESDRLRNH
Nucleotide_Binding_Site	(241)	YVFLSLLQPPGGSQHLGFAHNGLCSLAAGIWNQNLFEESDLRNH
	(241)	PLFELCSFFH-----QCALPFALEPLSLLAQGLWACTSVLHREDLERL

Figure 2B

HLRPS11	(202)	501	650
caspase_recruitment_protein	(591)	ELRGSKVCHLFLSKKEIFGVLETIVTYQFIQDSFOEFLAALSYLLEEGGV	
cryopyrin	(491)	GLDGAIITSTFKKMS--ILQEHPIPLSYSPFIHLCEQEEFAAMSIVLEDEF-	
Nucleotide_Binding_site	(440)	SLCKAKVSAFTIRN-LFCKEVDCKFYSPFIHMTFOEEFAAMYDLLEEEHE	
	(440)	GVQESDLRLFLDGS-ILFQDRVSKGCYSFIHLSCQCLTLFLFYTLKKEE	
HLRPS11	(151)	651	700
caspase_recruitment_protein	(541)	PRTAAGC-----VGTLLFGDAQPHSHLVLTTRFLEGLLSAERMRD	
cryopyrin	(540)	-----EGGFHSNCIIDLERTLEAYGINGLFGASTTRFELSLSDSEGERE	
Nucleotide_Binding_site	(491)	GRTNVFCSFLKLPSEFVTVLEENFGKFEKGYLIFVVRFLFGLVNCERTSY	
	(491)	EDRDGHTWIG----DVQKLSCVERLRNPDLIQAGYYSFGLANEKRAKE	
HLRPS11	(791)	701	750
caspase_recruitment_protein	(791)	IERHFGCMVSEKVFQEALEWVQGGQCCGVAFEVTEGAFGLLEDTEEE	
cryopyrin	(681)	MENIFHCRLSQ--GRNLMQVPSI-----QLLLQPHS----	
Nucleotide_Binding_site	(641)	LEPKKLSKISQVRLLELKNIEVF-----ARAKKLQIQEES	
	(641)	LEATFGCRMSEPKQELLRCDIS-----KCGSTVTLLQ	
HLRPS11	(841)	751	800
caspase_recruitment_protein	(841)	EEEGEEPNTFLLELYCLYETQEDAFVROALCRFPELALQVRVFCRMDVAV	
cryopyrin	(731)	-----LESILHCLYETRNKVELTQVMHFEEMGMC--VETDMELLV	
Nucleotide_Binding_site	(671)	-----LELFYCLYEMDEEDVQRADLYFPKLEIN--LSTRMDHNV	
	(671)	-----DLIGOLYESQEEELVKEVMAOFFETSLH--LNAVDEVVP	
HLRPS11	(891)	801	850
caspase_recruitment_protein	(891)	LSYCVPRSEAGAPRLISRLVAACEKKKSLGRQLQASLGGSQ----	
cryopyrin	(781)	CWFCIEFSEHVKELQLIEGQHESTWTFEMVVFVWVPVTAIWQLLS-	
Nucleotide_Binding_site	(611)	SSFCIECHRFVESLSLGLFHNMFKEEEEEEEGRLDMVGVVLPSSSHAA	
	(611)	SSFCVPRCHNLQMSIQVIKENLPEVNTASESDAEVRSQDDQHMPLFWT	
HLRPS11	(941)	851	900
caspase_recruitment_protein	(941)	-----	
cryopyrin	(831)	-----	
Nucleotide_Binding_site	(661)	CSHGLVNSH-----LT	
	(661)	DLCSEFMSNFDLMGLAINDSFLSASLVFIDCEQIASDTCHLQFVVEKNIS	
HLRPS11	(991)	901	950
caspase_recruitment_protein	(991)	-----GTIKQLFASLLHPLFQAMTDELCHESSLT	
cryopyrin	(881)	-----VLKVTENLELDLSNSLSHSAVKSCKTFLREDCETLE	
Nucleotide_Binding_site	(811)	SSFCRGLFESVLSQSSTELDLNSLSGPGMRVLCETLCHENIRRLV	
	(811)	PADAHENLCLALEGHFTVTYLTLLGNICDMFEALCEVLRHPTCNRLTIG	
HLRPS11	(1041)	951	1000
caspase_recruitment_protein	(1041)	LSHCKLPDAVCPDSEALRAAPALTELGLHNFSEAGLRMLSEGLAWPQ	
cryopyrin	(931)	LACCGLTAEICKDLAFGLRANQTLTDLDSNVLMQAGAKHLCDREKPE	
Nucleotide_Binding_site	(861)	LGCGLSHCCCFISLVSSNCKEVELDLSDNALGFGIRLLCVGKHL	
	(861)	LVSQSAITQQWADLSLAEVNSLTCVNLSDNELEEGAKDLTTLRHFF	
HLRPS11	(1091)	1001	1050
caspase_recruitment_protein	(1091)	CRVCTVAVQLLEDPQ-FGLSYLVGMLEQSPALTLDSGCCIPAPMYTYLC	
cryopyrin	(981)	CLLQRLKLVSCPLTSICODLASVLSAPSIKELDLQINNDEVGVRLIC	
Nucleotide_Binding_site	(911)	CNLKKLWLVSCPLTSACCODLASVLSTSHSLTFLYVGENALGDSGVAILC	
	(911)	CLLQRLKLENCHLTEANCKDLAAVHVVSFELTHLCIAKNPIGNTGVKFLC	
HLRPS11	(1141)	1051	1100
caspase_recruitment_protein	(1141)	AVDQHCGEELQTESASVELSEQILOELQVVKRAEDLVTHALDGHPO	
cryopyrin	(1031)	EGLRHFAKRLIFGLDQTTLSDEMFOELFALEQENFQLLFSFEPSPVM	
Nucleotide_Binding_site	(961)	EFKKNPCLNLKGLVNSCLTSVCSALSSVLTSTNQLTHYLRGNTLGL	
	(961)	EGLRYECKLQTEVWNCDTISLCCCLTKLLOESSLLCCLDGLNHIG	
HLRPS11	(1191)	1101	1150
caspase_recruitment_protein	(1191)	PFKELISTF-----	
cryopyrin	(1081)	PIEGLDTGEMSNSTSSLRKQRLGERAASHVAQANLKLDDSFIFPIAEI	
Nucleotide_Binding_site	(1011)	KETKLLCEGLLHPECLQVLELINCNLTSHCWDLSTLLTSQSIRKLSL	
	(1011)	KCMRFLCALRFLCNLRCLTWAGCSIFPFCEDLCSALSNQSLVTLDL	
HLRPS11	(1241)	1151	1200
caspase_recruitment_protein	(1241)	AEESSPEVVPVALLCVSPASQCDLHTKPLGTDDDFWGFATGPVATEVVDK	
cryopyrin	(1131)	GNN---DLGDLGVMMFCETLKQSCLLQNLGLSEMYFNFTKSALETLOE	
Nucleotide_Binding_site	(1061)	GNN---FEGSSGVFMLEFETLCSSTLFTPLFLIDFENDELNKLDEIEE	

Figure 2C

		1201	1250
HLRRII	(626)	-----	-----
caspase_recruitment_protein	(1094)	EENLYRHEPVAGSYRWPNTGLCEVVREAVTVEIEFCVWDQFLGEINPQH	
cryopyrin	(1012)	EEFEETVVEPSW-----	
Nucleotide_Binding_site	(1008)	KNPQIIDTEKHHFWAERPSSHDEMI-----	
		1251	1300
HLRRII	(626)	-----	-----
caspase_recruitment_protein	(1144)	SWMVAGPLLDIFAEFGAVEAVHLFHFVALQGGHVDTSLFQVAHFKEEGML	
cryopyrin	(1035)	-----	
Nucleotide_Binding_site	(1034)	-----	
		1301	1350
HLRRII	(626)	-----	-----
caspase_recruitment_protein	(1194)	LEKPARVELHHIVLENPSFSPLGVLLKMIHNALRFIPVTSVVLLYHRLHP	
cryopyrin	(1035)	-----	
Nucleotide_Binding_site	(1034)	-----	
		1351	1400
HLRRII	(626)	-----	-----
caspase_recruitment_protein	(1144)	EEVTFHLYLIPSDCSIRKELELCYRSPGEDQLFSEFYVGHGSGIRLQVK	
cryopyrin	(1035)	-----	
Nucleotide_Binding_site	(1034)	-----	
		1401	1450
HLRRII	(626)	-----	-----
caspase_recruitment_protein	(1194)	DHEDETLVWEALVEFGDIMPATTLIPFACIAVPSFLDAPQLLHFVDQYRE	
cryopyrin	(1035)	-----	
Nucleotide_Binding_site	(1034)	-----	
		1451	1500
HLRRII	(626)	-----	-----
caspase_recruitment_protein	(1144)	QLIAEVTSEVVVLMELHGVLGCEQYREPLAENTRFESQMEPLFGLQLQSWI	
cryopyrin	(1035)	-----	
Nucleotide_Binding_site	(1034)	-----	
		1501	1536
HLRRII	(626)	-----	-----
caspase_recruitment_protein	(1194)	RKCKDGLYQALKETHPHLIMELWEKGSKEGLPLSS	
cryopyrin	(1035)	-----	
Nucleotide_Binding_site	(1034)	-----	

Figure 3

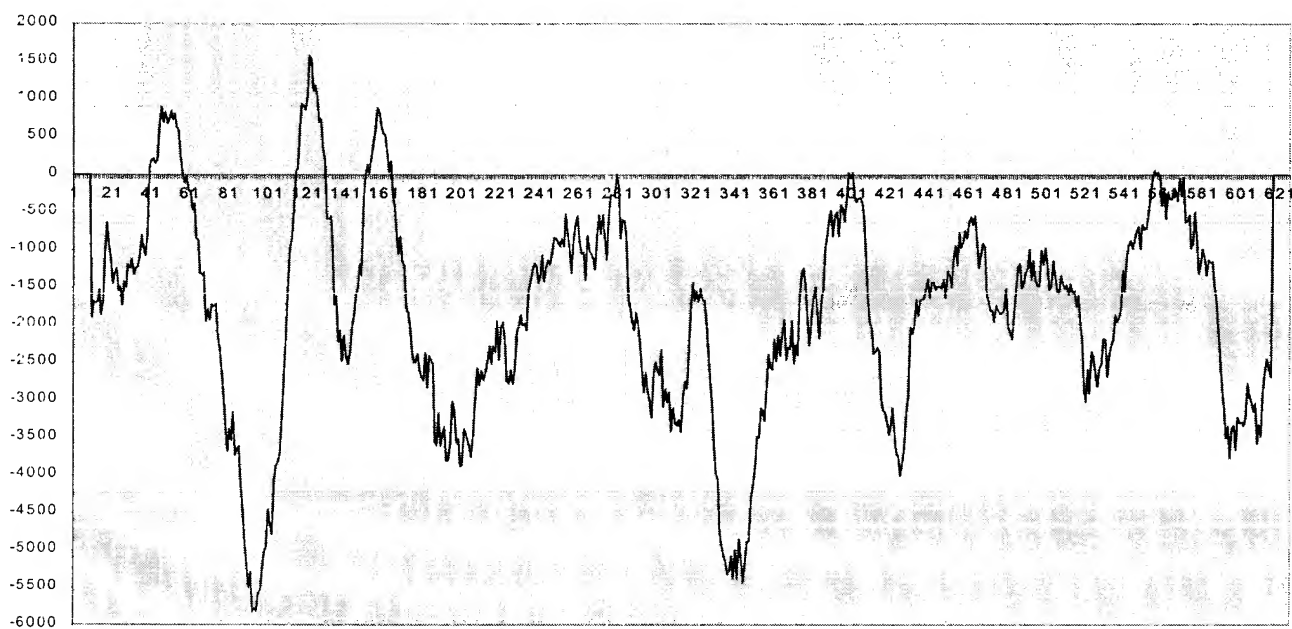


Figure 4

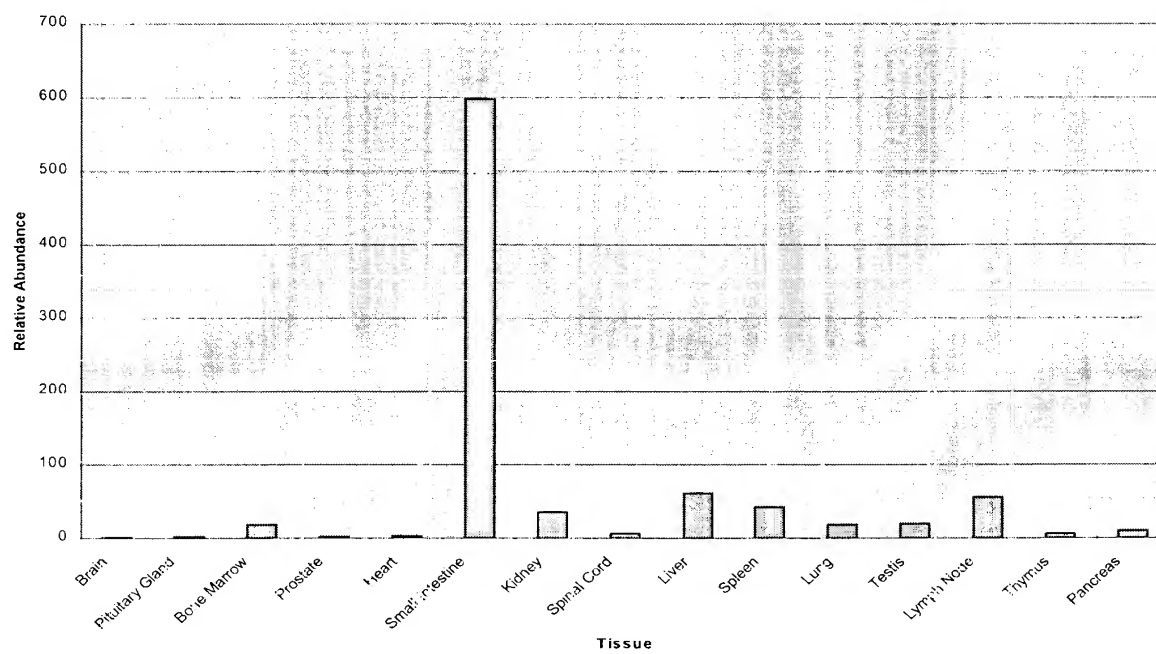


Figure 5.

Protein	Genbank ID	Identities	Similarities
human caspase recruitment protein 7	gi 10198209	36.3%	44.0%
human nucleotide binding site protein	gi 10198207	35.0%	42.2%
human cryopyrin protein	gi 17027237	35.7%	46.0%